

# +5°C TE Cooled Raman Spectrograph



## FEATURES

- High throughput Raman spectrograph with volume phase holographic grating
- **Single fiber input**
- No moving parts
- TE-cooled CCD with **cooling to +5°C**

## Specifications

<b>Wavelengths</b>	532, 785 nm
<b>Fiber Optic Input</b>	FC connector
<b>Dimensions &amp; Weight</b>	11 x 6 x 4.6 (inches) & 8 lbs
<b>Raman Shift Range</b>	532 nm: 150-4100 cm <sup>-1</sup> ; 785 nm: 150-3100 cm <sup>-1</sup>
<b>Resolution (FWHM)</b>	8 cm <sup>-1</sup> for 50 μm slit, 4 cm <sup>-1</sup> for 25 μm slit
<b>CCD</b>	Enhanced near infrared sensitivity back Thinned CCD Sensor from Hamamatsu
<b>Active Pixel</b>	2048 x 64 (14 x 14 microns pixel size)
<b>CCD TE Cooling</b>	+5 °C at ambient (25 °C)
<b>Power Input</b>	5V, 6W
<b>Communications</b>	USB
<b>Acquisition Software</b>	Spectrasoft™
<b>Computer &amp; Operating Software Requirements</b>	Windows 7 64-bit or later, Intel Core i3 or comparable processor, 4GB of memory & 100MB of free hard drive space